



**PATIENT**

Lucky Manley

**PRESENTING CLINICAL SIGNS**

History: increased GGT on annual BW

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

**BREED**

Basset Hound Mix

The area of the residual prostate appeared normal and free of pathology.

**SEX**

Neutered Male

The area of the aortic trifurcation was free of pathology.

**AGE**

6 Years

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.6 cm in length. The right kidney measured 5.4 cm in length.

**WEIGHT**

43.5

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.60 cm width at the caudal pole and 0.62 cm width at the cranial pole.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.62 cm width at the caudal pole.

**IMAGING PERFORMED BY**

Jenn

**Spleen**

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

**HOSPITAL NAME**

Rockaway AH

**Liver**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion.

**REFERRING VET**

Dr. Maniar

The gallbladder was non-distended in size with primarily anechoic content with minor echogenic nonorganized luminal debris. No evidence of gallbladder inflammatory criteria. The common bile duct was not visualized, without evidence of common bile duct dilation, stasis, or obstructive pattern.

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**Gastrointestinal**

The stomach exhibited intact normal wall layering with a normal wall layer ratio. The gastric fundus and body contained a mild amount of nonshadowing ingesta/chyme. Nonspecific, strongly shadowing echo was present in the subjective antrum to pylorus, measuring approximately 3.0 cm in diameter.

**DATE**

3/30/23



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The degree of retained gastric ingesta and lack of significant gastric distention was not consistent with evidence of mechanical pyloric outflow obstruction.

**SPECIES**

Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

***Pancreas***

**BREED**

Basset Hound Mix

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

**SEX**

Neutered Male

***Free Abdomen***

No overt lymphadenopathy or peritoneal effusion was present.

**AGE**

6 Years

**ULTRASONOGRAPHIC FINDINGS**

- Sonographically unremarkable liver
- Sonographically unremarkable gallbladder and common bile duct with minor gallbladder debris- no evidence of posthepatic obstruction.
- Nonspecific gastric shadowing echo with minor retained nonshadowing ingesta/chyme

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The shadowing gastric echo is nonspecific. Given the lack of reported gastrointestinal signs (i.e., inappetence, vomiting etc.), the shadowing echo is of unclear clinical significance. Correlation with abdominal radiograph is suggested. If concern for gastric foreign material, sonographic reassessment of the stomach, following documented 12-18hr fast, is suggested. Hepatosupportive medications, such as Ursodiol, may prove beneficial, however, given the lack of hepatobiliary pathology, recheck GGT level, in an appropriate time frame, would be reasonable.

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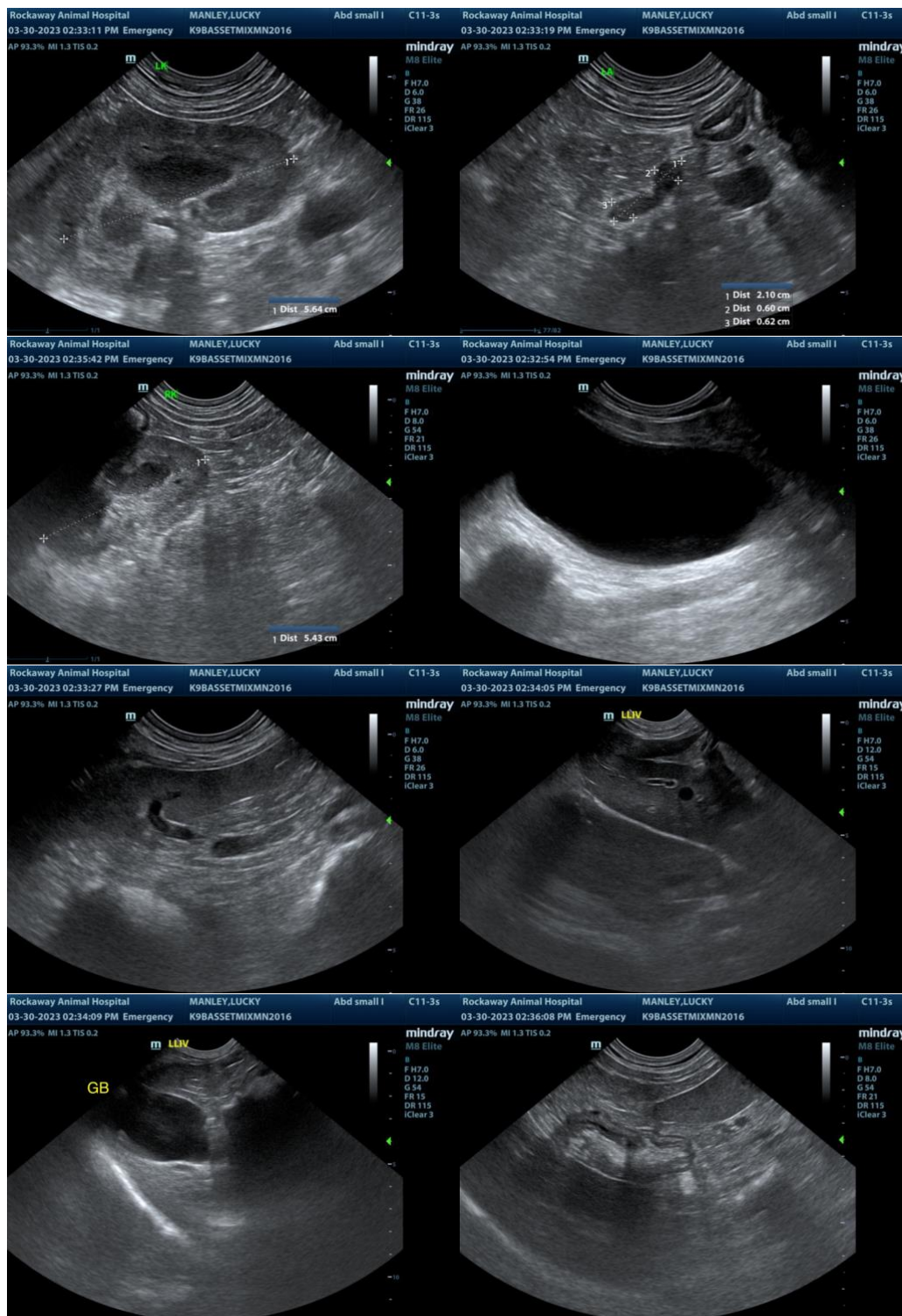
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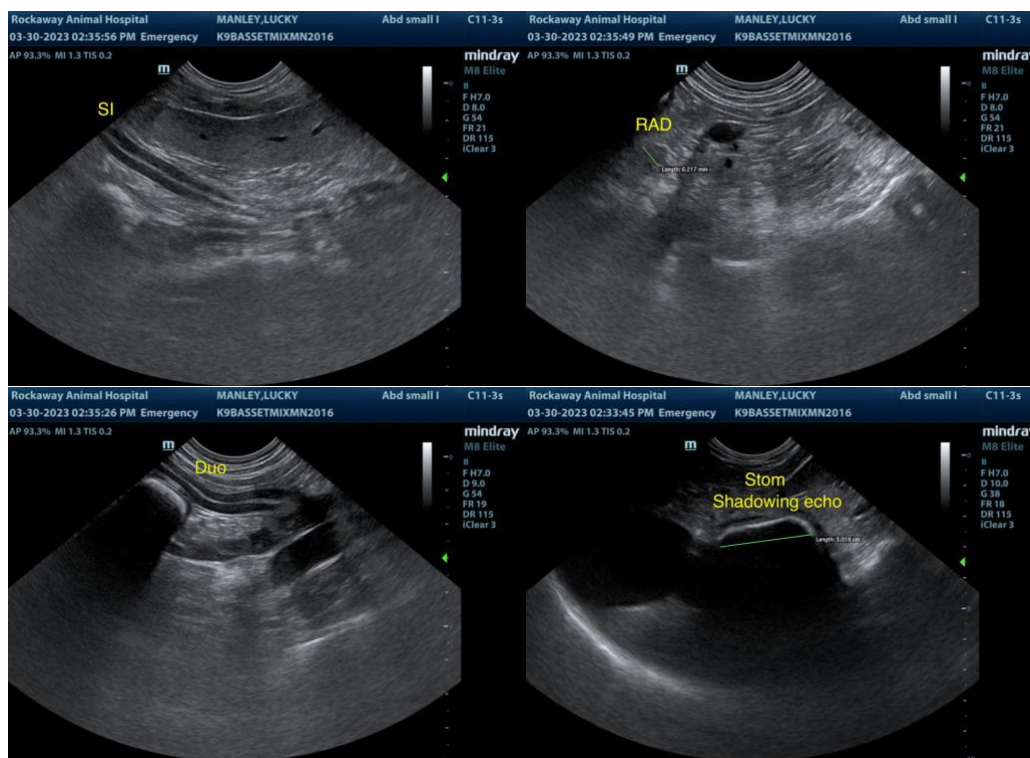
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)  
info@SonoPath.com